Index of Claims

|  | <br> |  |
|--|------|--|
|  |      |  |

Application/Control No.

10/658,105

Date

Examiner

William C. Choi

Applicant(s)/Patent under Reexamination

TONEY, JAMES E.

Art Unit

2873

| √ | Rejected |
|---|----------|
| _ | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| Z | Non-Elected  |
|---|--------------|
| i | Interference |

| 4 | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                       | im                                     | Date         |              |  |          |  |  |              |              |          |  |
|---------------------------|--|--------------|--------------|--|----------|--|--|--------------|--------------|----------|--|
| Final                     | Original                               | 4/21/05      |              |  |          |  |  |              |              |          |  |
| 1                         | 1                                      | =            | $\vdash$     | $\vdash$   |          |  |  | -            |              |          |  |
|                           | 1000                                   | =            | _            | _  | _        | -  | -  |              |              | _        |  |
| 2                         | 3                                      |              | _            | -  |          | <del> </del>                                     | -  |              | -            | -        |  |
| 28 <sup>2</sup><br>2<br>3 | 4                                      | _            | -            | $\vdash$   |          | $\vdash$   | _  |              | _            |          |  |
| 4                         | 5                                      | =            | -            | $\vdash$   | _        | $\vdash$   |  | _            | -            | -        |  |
| -                         | 6                                      | _            | $\vdash$     | $\vdash$   | _        | $\vdash$   | -  | -            |              | _        |  |
|                           | 7/0                                    | _            |              |  | _        | $\vdash$   |  |              |              |          |  |
| -                         | 8                                      | =            | -            | -  | _        | $\vdash$   |  |              |              |          |  |
| 3                         | 9                                      | -            | -            | _  | -        | ⊢  | _  |              |              |          |  |
| 5<br>6<br>7               | 10                                     | =            | ┝            | -  | -        |  |  | -            | ├            | -        |  |
| 8                         | 11                                     | <u> </u>     | H            |  | $\vdash$ | $\vdash$   |  | H            | $\vdash$     |          |  |
| 9                         | 12                                     | <del>-</del> | $\vdash$     | ⊢  | $\vdash$ | $\vdash$   | -  | <del> </del> |              |          |  |
| 10                        | 12                                     | =            | <del> </del> | _  | $\vdash$ | <del> </del>                                     | $\vdash$   | $\vdash$     | $\vdash$     |          |  |
| 11                        | 13                                     | ⊢            | $\vdash$     | <del> </del>                                     | ├—       | $\vdash$   | <del> </del>                                     | ├            | ├-           | $\vdash$ |  |
| 12                        | 12<br>13<br>14<br>15<br>16<br>17<br>18 | =            |              | -  |          |  |  | <del> </del> | <del> </del> | H        |  |
| 12<br>13<br>14<br>15      | 16                                     | <del>-</del> | -            | ├  | <u> </u> | -  | <del>                                     </del> | $\vdash$     | <del> </del> | $\vdash$ |  |
| 14                        | 17                                     | =            | -            | $\vdash$   | $\vdash$ | _  | _  | ⊢            | $\vdash$     |          |  |
| 15                        | 10                                     | H            | -            | -  |          | -  |  |              | -            |          |  |
| 16                        | 19                                     | =            | _            |  |          |  | -  |              |              |          |  |
| 17                        | 20                                     | =            | -            | -  |          | -  | -  |              |              |          |  |
| 17<br>18                  | 20                                     | E            | _            | -  |          | <u> </u>   |  | -            | -            | -        |  |
| 19                        | 21<br>22                               | =            | _            | -  |          | $\vdash$   |  | $\vdash$     | -            | -        |  |
| 20                        | 23                                     | =            |              | ┢  |          | -  |  | $\vdash$     | ├─           | -        |  |
| 20<br>21                  | 23<br>24                               | =            |              |  | <u> </u> | <u> </u>   | ⊢  | ┢            | -            |          |  |
| 22                        | 25                                     | =            | -            | -  |          |  | -  | <del> </del> |              |          |  |
| 23                        | 26                                     | =            |              |  | -        |  | $\vdash$   | $\vdash$     | -            |          |  |
| 24                        | 26<br>27                               | =            |              | $\vdash$   | $\vdash$ | _  | $\vdash$   | $\vdash$     | $\vdash$     | _        |  |
| 25                        | 28                                     | =            | $\vdash$     | $\vdash$   | $\vdash$ | _  | $\vdash$   | $\vdash$     | $\vdash$     |          |  |
| 26                        | 28<br>29                               | ╘            |              | $\vdash$   | ┢─       |  | <del> </del>                                     | ┢            | $\vdash$     |          |  |
| 27                        | 30                                     | ┰            | $\vdash$     | $\vdash$   | -        | _  | -  | $\vdash$     | $\vdash$     |          |  |
|                           | 21                                     | ┢            |              | $\vdash$   | $\vdash$ |  | $\vdash$   | <del> </del> | ┢            |          |  |
|                           | ,32°                                   | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$ |  | $\vdash$   | ├            | -            | -        |  |
| 29                        | 33                                     | =            | $\vdash$     | $\vdash$   | $\vdash$ |  | $\vdash$   | $\vdash$     | $\vdash$     |          |  |
| 30                        | 34                                     | =            |              | _  |          |  | $\vdash$   | $\vdash$     |              |          |  |
| 31                        | 35                                     | =            | $\vdash$     | <del>                                     </del> |          | <del> </del>                                     |  |              | $\vdash$     | Н        |  |
| 32                        | 36                                     | =            | <del> </del> |  | <b></b>  | <del>                                     </del> |  | <u> </u>     |              |          |  |
| 33                        | 36<br>37                               | =            |              | Т  |          |  |  | _            | ŕ            |          |  |
| 34                        | 38                                     | ╘            |              | <u> </u>   |          |  | -  |              |              |          |  |
| 35                        | 39                                     | =            |              |  |          |  |  |              | <u> </u>     |          |  |
| 36                        | 40                                     | =            |              |  |          |  |  |              |              |          |  |
| 37                        | 41                                     | =            |              |  |          |  |  |              |              |          |  |
| 38                        | 42                                     | =            |              |  |          |  |  |              |              |          |  |
| 39                        | 43                                     | =            |              |  |          |  |  |              |              |          |  |
|                           | 44"                                    |              |              |  |          |  |  |              |              |          |  |
|                           | 45                                     |              |              |  |          |  |  | L            |              |          |  |
|                           | 46                                     |              |              |  |          |  |  |              |              |          |  |
|                           | A7                                     | L            |              |  |          |  |  |              |              |          |  |
|                           | 48                                     |              |              |  |          |  |  |              |              |          |  |
|                           | A9                                     |              |              |  |          |  |  |              |              |          |  |
|                           | 50                                     |              |              |  | Π        |  |  | Г            |              |          |  |

| Cie                                 | 11111                                 | <u> </u>     |          |              |              | Jau          | _  |   |   |              |
|-------------------------------------|---------------------------------------|--------------|----------|--------------|--------------|--------------|--|---|---|--------------|
| Final                               | Original                              | 4/21/05      |          |              |              |              |  |   |   |              |
| ├                                   | -                                     | -            | _        | _            | -            | _            |  |   | -   |              |
|                                     | 582<br>582                            |              |          |              |              |              |  |   | $ldsymbol{le}}}}}}$ |              |
|                                     | 52                                    |              |          |              |              |              |  |   |   |              |
|                                     | 58                                    |              |          |              |              |              |  |   |   |              |
|                                     | 54                                    |              |          |              |              |              |  |   |   |              |
|                                     | 50                                    |              |          |              | _            |              | -  |   |   |              |
| -                                   | 100                                   |              | _        | _            | _            | _            | $\vdash$   |   |   |              |
| $\vdash$                            | <b>100</b>                            |              |          | ٠            |              |              |  |   | <u> </u>  |              |
|                                     | 57                                    |              |          |              |              |              |  |   |   |              |
| 40                                  | X X X X X X X X X X X X X X X X X X X | Ξ            |          |              |              |              |  |   |   |              |
|                                     | 59<br>60                              |              |          |              |              |              |  | Г   | Г   |              |
|                                     | 60                                    |              |          |              |              |              |  |   | -   | -            |
| $\vdash$                            | 61                                    | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     |              |  | $\vdash$  | $\vdash$  | $\vdash$     |
| $\vdash$                            | 60                                    | $\vdash$     |          | $\vdash$     | $\vdash$     |              | H  | ⊢   |   | $\vdash$     |
| <u> </u>                            | 62                                    | <u> </u>     | _        | <u> </u>     | ⊢            | _            | <u> </u>   | ┡   | _   | $\vdash$     |
| $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 63                                    |              |          | _            |              | _            | <u></u>  | 匚   | 匚   | Щ            |
|                                     | 64                                    |              |          | l            |              |              |  |   | İ   |              |
|                                     | 65<br>66                              |              |          |              | Γ            |              | Ī  |   |   |              |
|                                     | 66                                    |              |          |              |              |              |  |   |   |              |
|                                     | 67                                    | $\vdash$     | _        |              | -            | $\vdash$     | _  | $\vdash$  |   | $\vdash$     |
| <del></del>                         | 60                                    |              |          | -            |              |              |  | ┢   |   |              |
| ļ                                   | 68                                    |              | -        |              |              |              |  |   |   | -            |
|                                     | 69                                    |              |          |              |              |              | L  |   |   | <u> </u>     |
|                                     | 70                                    |              |          |              |              |              |  |   |   |              |
|                                     | 71                                    |              |          |              |              |              |  |   | 1   |              |
|                                     | 71<br>72                              |              |          |              |              |              |  |   |   |              |
|                                     | 73                                    | $\vdash$     |          |              | _            |              | $\vdash$   |   |   |              |
| $\vdash$                            | 73<br>74                              | $\vdash$     | $\vdash$ |              |              | <del> </del> |  | ┢   | -   | $\vdash$     |
|                                     | 75                                    | -            | -        |              | ├—           |              | _  | -   |   | -            |
|                                     | 75                                    | _            | <u> </u> | <u> </u>     |              | _            |  | _   |   |              |
|                                     | 76<br>77                              |              | L_       |              |              | <u> </u>     | L  | <u> </u>  |   | <u> </u>     |
|                                     | 77                                    |              |          | L            |              |              | L  | _   |   |              |
|                                     | 78                                    |              |          |              |              |              |  | Ï   |   |              |
|                                     | 79                                    |              |          |              |              |              |  |   |   |              |
|                                     | 80                                    |              |          |              |              |              |  |   |   |              |
| <b></b>                             | 91                                    | $\vdash$     | $\vdash$ | _            | $\vdash$     | $\vdash$     | $\vdash$   | _   |   |              |
|                                     | 81<br>82                              |              | -        | _            | -            |              | -  | ┝   |   | -            |
| _                                   | 82                                    | _            | _        |              |              | <u> </u>     | _  | -   |   |              |
| <u> </u>                            | 83                                    | L            | Щ.       |              | L            | <u> </u>     | <u> </u>   | L   |   | _            |
|                                     | 84                                    |              |          |              |              | <u> </u>     | L  |   | <u> </u>  |              |
|                                     | 85                                    |              |          |              |              | L            | L  |   |   |              |
|                                     | 86                                    |              |          |              | Г            |              |  | <u> </u>  |   |              |
|                                     | 87                                    | _            | <u> </u> | Т            | $\vdash$     | $\vdash$     |  | $\vdash$  |   | Г            |
| $\vdash$                            | 88                                    |              | $\vdash$ | <del></del>  | -            | ┢            | -  | -   |   | _            |
| <b></b>                             | 90                                    | $\vdash$     | _        | $\vdash$     | $\vdash$     | $\vdash$     |  | $\vdash$  | _   | $\vdash$     |
| <del></del>                         | 89                                    | -            | -        | <del> </del> | <del> </del> | -            | $\vdash$   | $\vdash$  | <u> </u>  | -            |
| <u> </u>                            | 90                                    | <u> </u>     | L        | <u> </u>     | $\vdash$     | <u> </u>     | <u> </u>   | <u> </u>  | _   | <u> </u>     |
|                                     | 91                                    |              | L.,      |              |              |              | L  |   | L   |              |
|                                     | 92                                    | L            | L        | L            | L            | L            | L  | L   |   | L            |
|                                     | 93                                    |              |          |              |              |              |  |   |   | Γ_           |
|                                     | 94                                    | Т            | _        | $\vdash$     | <u> </u>     | Ι            | <del>                                     </del> | $\vdash$  |   |              |
|                                     | 95                                    | $\vdash$     | ├─       | $\vdash$     | $\vdash$     | -            | $\vdash$   | $\vdash$  | $\vdash$  | $\vdash$     |
| <u> </u>                            |                                       | <del> </del> |          | <del> </del> |              |              | ⊢  | <del> </del>  | <del> </del>  |              |
|                                     | 96                                    | $\vdash$     | <u> </u> | <u> </u>     | -            | $\vdash$     | <u> </u>   | <u> </u>  | _   | $\vdash$     |
|                                     | 97                                    |              | L_       | <u> </u>     |              |              | _  | $ldsymbol{le}}}}}}$ | _   | $oxed{oxed}$ |
| I                                   | 98                                    |              | L        | L            | L            | L            | L  | L   | L_  |              |
|                                     |                                       |              |          |              |              |              | ,  |   |   |              |
|                                     | 99                                    |              |          | l            | 1            | 1            | 1  | l   |   |              |

| Claim       |                                 | Date         |              |              |              |          |               |              |              |                 |
|-------------|---------------------------------|--------------|--------------|--------------|--------------|----------|---------------|--------------|--------------|-----------------|
| Cit         |                                 |              |              |              |              | Jak      | -             |              |              | Н               |
| _           | Original                        |              |              |              |              |          |               |              |              |                 |
| Final       | iĝi                             |              |              |              |              |          |               |              |              |                 |
| _           | ō                               |              |              |              |              |          |               |              |              |                 |
|             | 101                             |              | -            |              |              |          | -             |              |              | Н               |
|             | 101<br>102                      |              |              |              |              | -        |               | _            |              | Н               |
|             | 103                             |              | -            |              |              | _        |               | _            |              | $\vdash$        |
|             | 103                             |              | -            |              | -            | _        | _             | _            | _            |                 |
|             | 104<br>105                      |              | -            |              |              |          | _             | _            | _            |                 |
|             | 105                             |              |              |              |              |          |               |              | _            | Н               |
|             | 106<br>107                      |              | -            |              |              |          |               |              | $\vdash$     | Н               |
|             | 107                             |              |              |              |              | _        |               |              |              |                 |
|             | 108<br>109<br>110<br>111        |              |              |              | _            |          |               |              |              | $\vdash$        |
|             | 110                             | -            | $\vdash$     | $\vdash$     |              | $\vdash$ |               |              |              | Н               |
|             | 111                             |              | -            | -            | ⊢            | -        | -             |              | _            | $\vdash$        |
|             | 112                             | $\vdash$     | H            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$      | -            | H            | Н               |
|             | 112                             | $\vdash$     | $\vdash$     |              | $\vdash$     | $\vdash$ | $\vdash$      | $\vdash$     | -            | Н               |
| _           | 114                             | $\vdash$     | Н            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$      | Н            | $\vdash$     | H               |
|             | 115                             | <del></del>  | $\vdash$     | $\vdash$     | -            | $\vdash$ | $\vdash$      | Н            | $\vdash$     | Н               |
|             | 112<br>113<br>114<br>115<br>116 |              | -            | -            | -            | ├        |               |              | -            | $\vdash$        |
|             | 117                             | $\vdash$     | _            |              | ⊢            | -        |               |              | -            | Н               |
|             | 117                             |              |              | -            | <del> </del> | -        | -             | -            |              | $\vdash$        |
|             | 117<br>118<br>119               | _            | -            | -            | ⊢            | ⊢        |               |              | ⊢            | Н               |
| -           | 120                             |              | $\vdash$     |              | -            | $\vdash$ |               | ⊢            | ┝            | $\vdash$        |
|             | 120<br>121                      | -            | ├            | ┝            |              |          | <del> </del>  | ┝            | ├            | $\vdash$        |
|             | 121                             | $\vdash$     | <u> </u>     | $\vdash$     | ⊢            | $\vdash$ | -             | ⊢            | ┝            | Н               |
|             | 122<br>123<br>124               | ┝            | $\vdash$     | ├            |              | $\vdash$ | -             | ⊢            | ├            | $\vdash$        |
|             | 123                             | -            | $\vdash$     | -            |              | -        | -             | <del> </del> | <del> </del> |                 |
|             | 124                             |              | -            | ⊢            | ⊢            | $\vdash$ |               |              | ├            | Н               |
| _           | 125<br>126<br>127               |              | $\vdash$     | -            | ┝            | H        | -             | ├-           | ├            | $\vdash$        |
|             | 120                             | -            | -            | ⊢            | $\vdash$     | ⊢        | -             | ├            | ⊢            | Н               |
|             | 127                             |              | -            | H            | ⊢            | $\vdash$ | $\vdash$      | ┝            | <u> </u>     | Н               |
|             | 128<br>129                      |              | H            | _            | ┝╌           | _        | -             | _            | <u> </u>     | $\vdash$        |
|             | 129                             | H            | H            | ┝            | $\vdash$     | H        | $\vdash$      | ┝            | $\vdash$     | H               |
|             | 130                             | $\vdash$     | <del> </del> | <del> </del> |              | -        | $\vdash$      | ┝            |              | Н               |
|             | 131<br>132                      | -            | <del> </del> | -            |              | -        | <u> </u>      | <u> </u>     | ┝            | Н               |
|             | 132                             |              |              |              |              | -        | -             |              | <del> </del> |                 |
| <u> </u>    | 133<br>134                      | <u> </u>     |              | ⊢            | <u> </u>     | -        |               | <del> </del> |              | $\vdash$        |
| <u> </u>    | 135                             | <del> </del> | -            | -            | $\vdash$     | $\vdash$ |               |              |              | $\vdash$        |
|             | 135                             | $\vdash$     |              | -            | $\vdash$     | $\vdash$ | -             | $\vdash$     | <del> </del> | Н               |
|             | 136<br>137                      | H            | H            | $\vdash$     | <u> </u>     | $\vdash$ | $\vdash$      | $\vdash$     | $\vdash$     | Н               |
|             | 138                             |              | $\vdash$     | <del> </del> |              | ├—       | <u> </u>      | $\vdash$     | $\vdash$     | Н               |
|             | 139                             | -            | -            | -            | $\vdash$     | ├        |               | -            | $\vdash$     | Н               |
|             | 140                             | $\vdash$     | $\vdash$     |              | $\vdash$     |          | $\vdash$      |              | -            |                 |
|             |                                 | $\vdash$     | H            | $\vdash$     | $\vdash$     | $\vdash$ |               |              | -            | $\vdash$        |
|             | 141                             | <del> </del> | ├            | ├-           |              | ├        | H             | H            | $\vdash$     | Н               |
|             | 142                             | -            | H            | $\vdash$     | $\vdash$     | -        | $\vdash$      |              | -            | Н               |
| <del></del> | 144                             | <del> </del> | -            | ├            |              | ├        | <del>  </del> | $\vdash$     | -            | H               |
|             | 144                             | $\vdash$     | $\vdash$     | ├-           | $\vdash$     | -        |               |              | $\vdash$     | $\vdash \vdash$ |
|             | 146                             | -            | <u> </u>     | $\vdash$     | $\vdash$     | $\vdash$ | <u> </u>      |              | $\vdash$     | Н               |
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|             | 147                             | $\vdash$     | H            | <u> </u>     |              |          | -             |              | <u> </u>     | $\vdash$        |
|             | 148                             |              |              |              | <u> </u>     | ⊢        |               |              | <del> </del> | Н               |
|             | 149                             | -            | H            | ├            |              | ⊢        | <u> </u>      | H            | <u> </u>     | Н               |
| L           | 150                             | L_           | L            | L            | L            | L        | L             |              |              | Ш               |